Rec'd PCT/PTO 17 DEC 2004



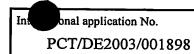


INTERNATIONAL PRELIMINARY EXAMINATION REPORT

1211	PATENT COOPERATION TREAT PCT
Anslation internation	
INTERNATION	ONAL PRELIMINARY EXAMINATION REPORT
	(PCT Article 36 and Rule 70)
Applicant's or agent's file reference 2002P05093WO	FOR FURTHER ACTION See Notification of Transmittal of Internat Preliminary Examination Report (Form PCT/IPEA/
International application No. PCT/DE2003/001898	International filing date (day/month/year) Priority date (day/month/year)
International Patent Classification (IPC) or na	06 June 2003 (06.06.2003) 19 June 2002 (19.06.2002)
G06T 15/00	
Applicant S.	SIEMENS AKTIENGESELLSCHAFT
This international preliminary examinand is transmitted to the applicant according to the according to the according to the	ination report has been prepared by this International Preliminary Examining Authorics ording to Article 36
	5 sheets, including this cover sheet.
amended and are the basis for	ed by ANNEXES, i.e., sheets of the description, claims and/or drawings which have I rethis report and/or sheets containing rectifications made before this Authority (see I Administrative Instructions under the PCT).
These annexes consist of a total	
 This report contains indications relations. Basis of the report 	ing to the following items:
II Priority	
<u>" </u>	of opinion with regard to novelty, inventive step and industrial applicability
IV Lack of unity of inver	
V Reasoned statement u	under Article 35(2) with regard to novelty, inventive step or industrial applicability; ations supporting such statement
v citations and explanar	Mions supporting such statement
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VI Certain documents cit VII Certain defects in the VIII Certain observations of	ited e international application on the international application Date of completion of this report

Form PCT/IPEA/409 (cover sheet) (July 1998)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT



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1. With		o the elements of the international application:*	
	the inter	ernational application as originally filed	
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	pages _	1-5	, as originally filed
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	se elements the langu the langu	guage of a translation furnished for the purposes of international search (under Rule 23.1(b)). guage of publication of the international application (under Rule 48.3(b)). guage of the translation furnished for the purposes of international preliminary examination (1)	which is:
3. With prelin	contained filed toge furnished furnished The state internatio	to any nucleotide and/or amino acid sequence disclosed in the international application camination was carried out on the basis of the sequence listing: determined in the international application in written form. gether with the international application in computer readable form. determined subsequently to this Authority in written form. determined that the subsequently furnished written sequence listing does not go beyond the cional application as filed has been furnished.	ne disclosure in the
	been furn	tement that the information recorded in computer readable form is identical to the written rnished.	sequence listing has
4.	the the	endments have resulted in the cancellation of: the description, pages the claims, Nos the drawings, sheets/fig	
5.	This report beyond the	ort has been established as if (some of) the amendments had not been made, since they have be the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	een considered to go
and 7	70.17).	heets which have been furnished to the receiving Office in response to an invitation under Artic. as "originally filed" and are not annexed to this report since they do not contain amen nt sheet containing such amendments must be referred to under item 1 and annexed to this report	dments (Rule 70.16

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Statement			· · · · · · · · · · · · · · · · · · ·		
	Novelty (N)	Claims	1-3	YES		
		Claims		NO		
	Inventive step (IS)	Claims		YES		
		Claims	1-3	NO		
	Industrial applicability (IA)	Claims	1-3	YES		
		Claims		NO		

- 2. Citations and explanations
 - Reference is made to the following document:

D1: EP-A-0 801 363 (NINTENDO CO LTD), 15 October 1997 (1997-10-15)

- The solution proposed in claim 1 of the present application cannot be considered inventive (PCT Article 33(3)) because the claimed subject matter is disclosed in document D1, as follows:
- 2.1 Claim 1, lines 1 to 3: Data-specific viewing of 3D data records using viewing software to produce a display on a 2D monitor.

D1 relates to a 3D image processor (see the title), for example for a games console (D1, page 3, lines 38 to 39), for displaying at least two objects in 3D space on a display unit (D1, page 2, lines 15 to 27).

2.2 Claim 1, lines 5 to 6: The 3D data records are stored on a data carrier together with the viewing software.

The image processing system according to D1 has a

slot (13) for an external data carrier (20), preferably a ROM cartridge but alternatively also a CD-ROM (see figures 1 and 2, and page 3, lines 36 to 46). The image data (201) and the software (202) for displaying the image data are stored on the data carrier (see figure 3, and page 4, lines 9 to 13).

3. Claim 1, lines 6 to 7:

The data carrier is transmitted to a user for playing on any personal computer (all platforms; see line 1 of claim 1) so that the user can view the 3D data records using the stored viewing software.

Although the image processor according to D1 is preferably part of a games console (D1, page 3, lines 38 to 39), D1 also explicitly mentions that the disclosed technology can also be used on a personal computer (page 3, lines 44 to 46).

The external data carrier in D1 (ROM cartridge or CD-ROM) has to be connected to the unit by the user (via slot (13) (figure 2)) and can therefore be carried and transmitted.

Dependent claims 2 and 3 do not contain any features that meet the PCT requirements in respect of novelty and inventive step when combined with the features of any of the back-referenced claims. The reasons for this are as follows:

The problem addressed in D1 is that of keeping a controllable object in the field of view of a (virtual) camera (see the abstract and claim 1 in D1). To achieve this, the camera is moved so that there are no other objects in the intervening space. Solving the

geometrical problem requires knowledge not only of the positions of the controllable object and the camera, but also of various specifiable parameters of the (virtual) environment. At least the initial values of these parameters, which are implicitly unchangeable, are stored on the data carrier (see D1, page 7, lines 18 to 22). This corresponds to the subject matter claimed in claim 2.

As indicated above, D1 states that the data carrier may be a CD-ROM (page 3, lines 36 to 46). The subject matter of claim 3 therefore seems to be anticipated by the prior art.